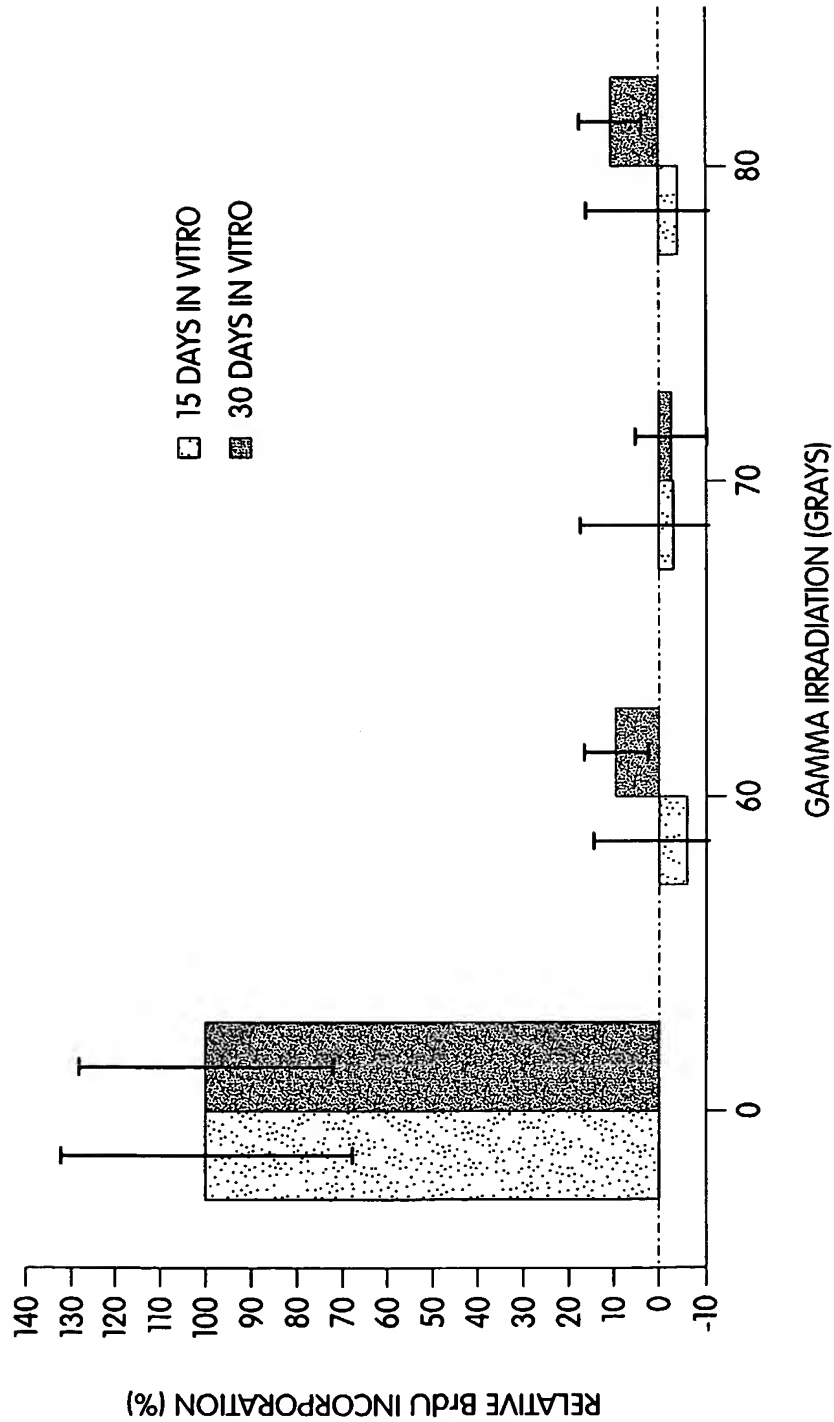


**BrdU CELL PROLIFERATION ANALYSIS OF HUMAN PRIMARY FIBROBLASTS FOLLOWING  
15 AND 30 DAYS IN CULTURE AFTER GAMMA IRRADIATION TREATMENTS**



**Fig. 1**

ADHERENCE OF HUMAN PRIMARY FIBROBLASTS TO A PETRI DISH FOLLOWING  
GAMMA IRRADIATION TREATMENTS (MEASURED BY NEUTRAL RED)

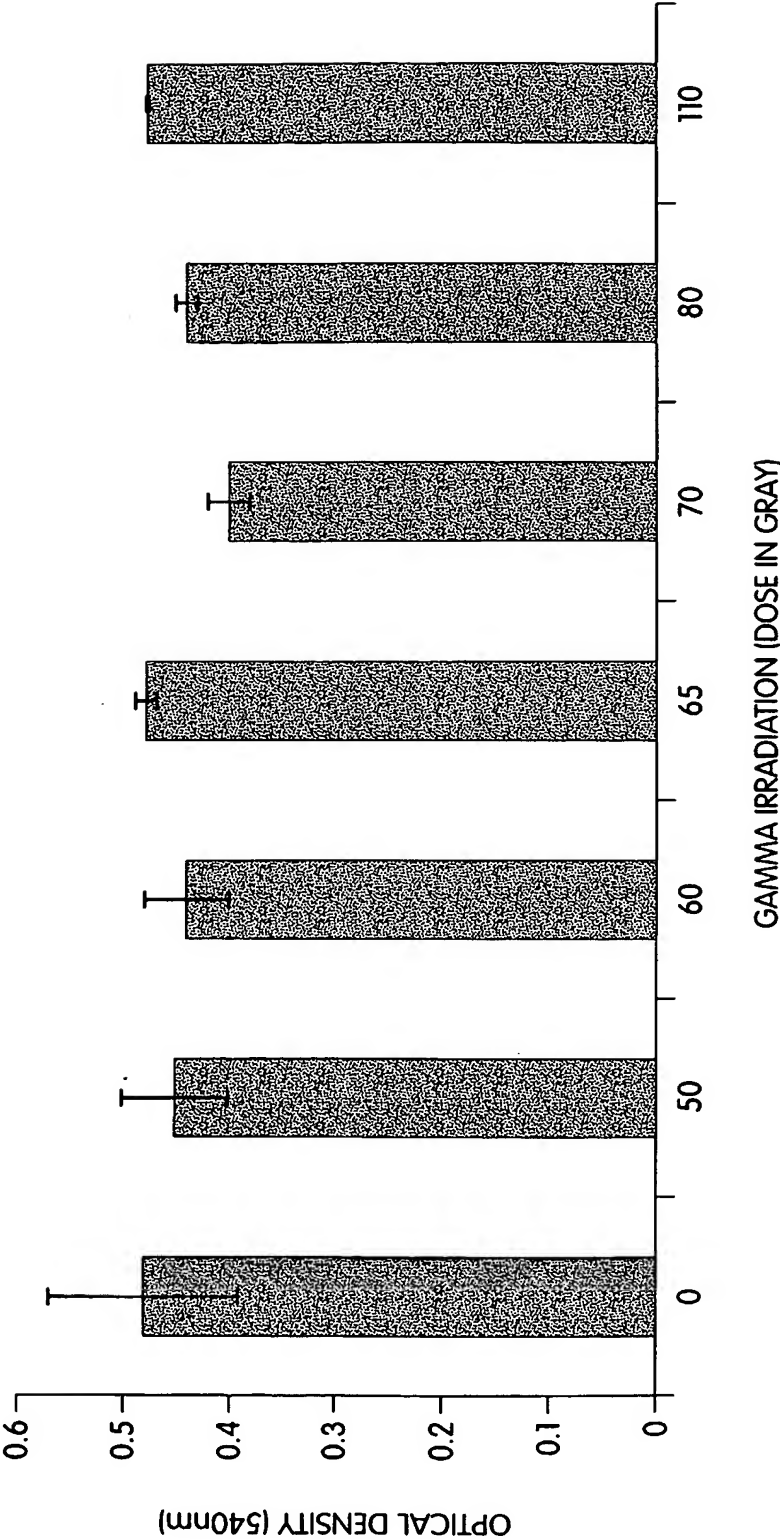


Fig. 2

	THROMBIN 1/4			THROMBIN 1/8			THROMBIN 1/10			THROMBIN 1/20			THROMBIN 1/40			THROMBIN 1/80		
	POLYMERIZATION TIME (SEC)	CONSISTENCY	STRENGTH	POLYMERIZATION TIME (SEC)	CONSISTENCY	STRENGTH	POLYMERIZATION TIME (SEC)	CONSISTENCY	STRENGTH	POLYMERIZATION TIME (SEC)	CONSISTENCY	STRENGTH	POLYMERIZATION TIME (SEC)	CONSISTENCY	STRENGTH	POLYMERIZATION TIME (SEC)	CONSISTENCY	STRENGTH
FIBRINOGEN 1/4	2	+++	+++	2	+++	+++	2	+++	+++	4	++	++	10	++	++	15	++	+
FIBRINOGEN 1/8	2	+++	+++	3	+++	+++	5	++	+++	5	++	++	15	+	+	20	++	-
FIBRINOGEN 1/10	2	+++	+++	3	+++	+++	5	++	+++	5	++	+	15	+	+	20	+	-
FIBRINOGEN 1/20	5	++	++	5	++	++	5	++	++	5	+	+	15	+	+	20	+	-
FIBRINOGEN 1/40	10	++	+	20	++	+	20	+	+	20	-	-	20	-	-	30	-	-
FIBRINOGEN 1/80	30	+	-	30	+	-	30	-	-	30	-	-	30	-	-	30	-	-

Fig. 3

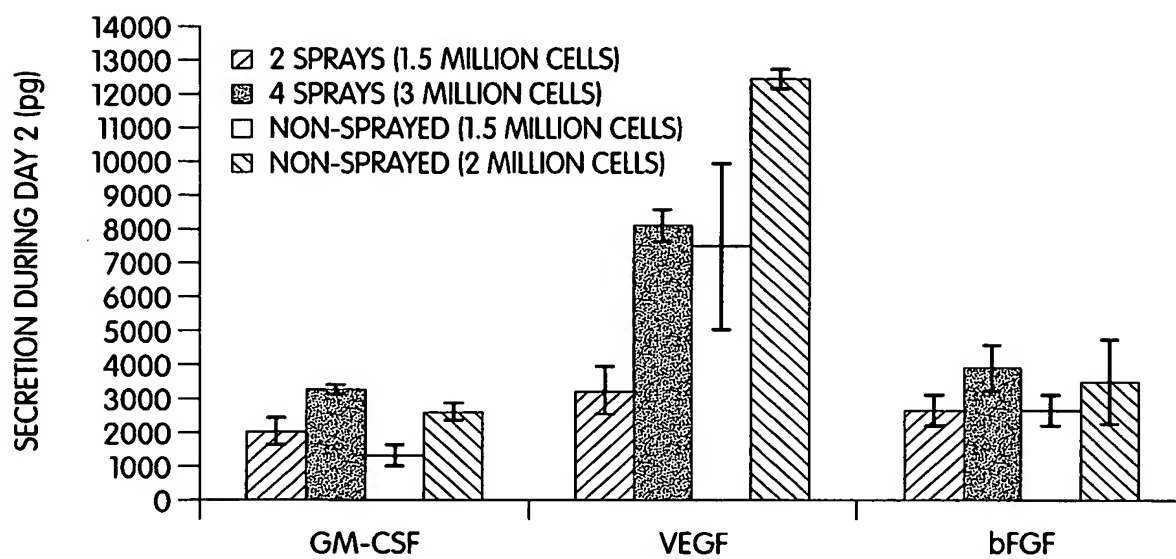
COMPARISON OF GROWTH FACTOR RELEASED  
FROM SPRAYED VERSUS NON-SPRAYED CELLS

Fig. 4

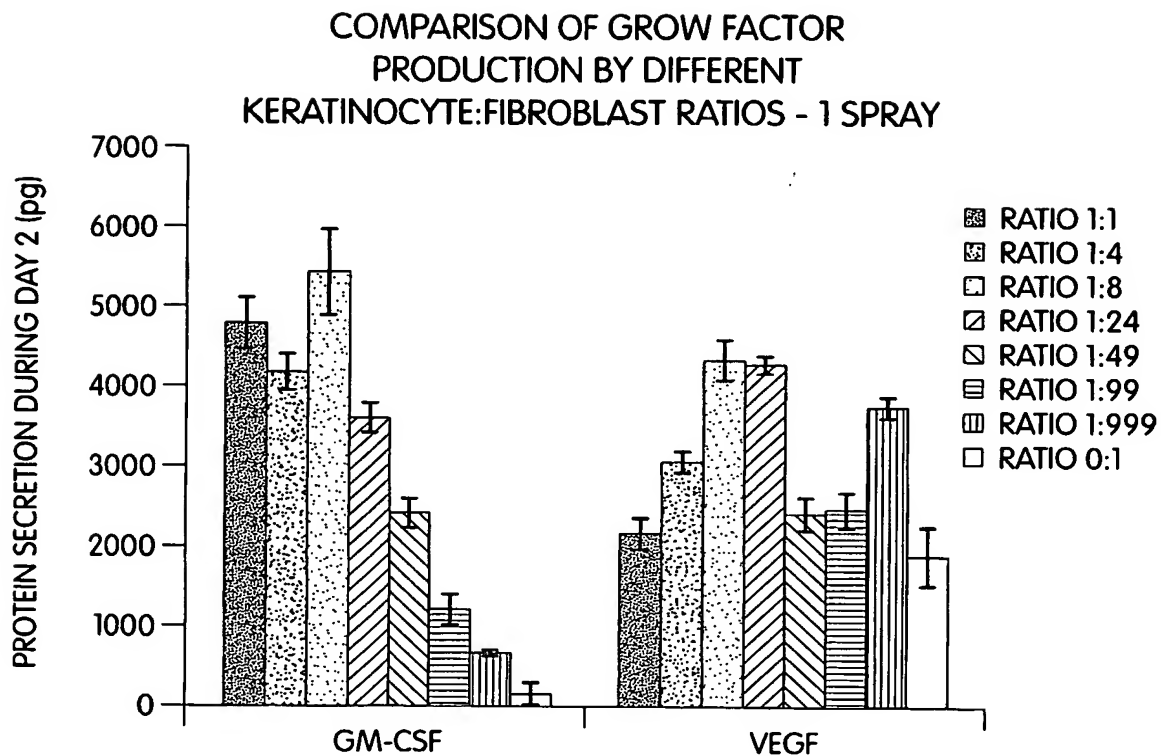


Fig. 5A

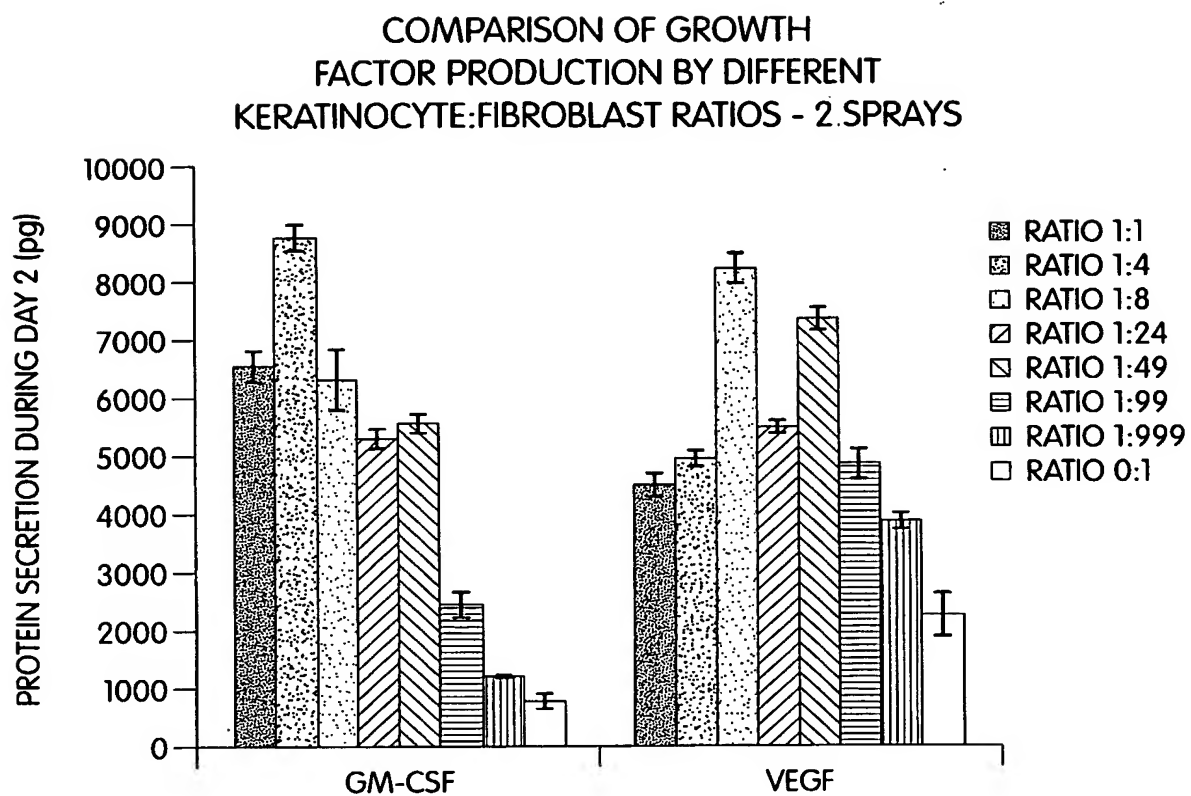


Fig. 5B

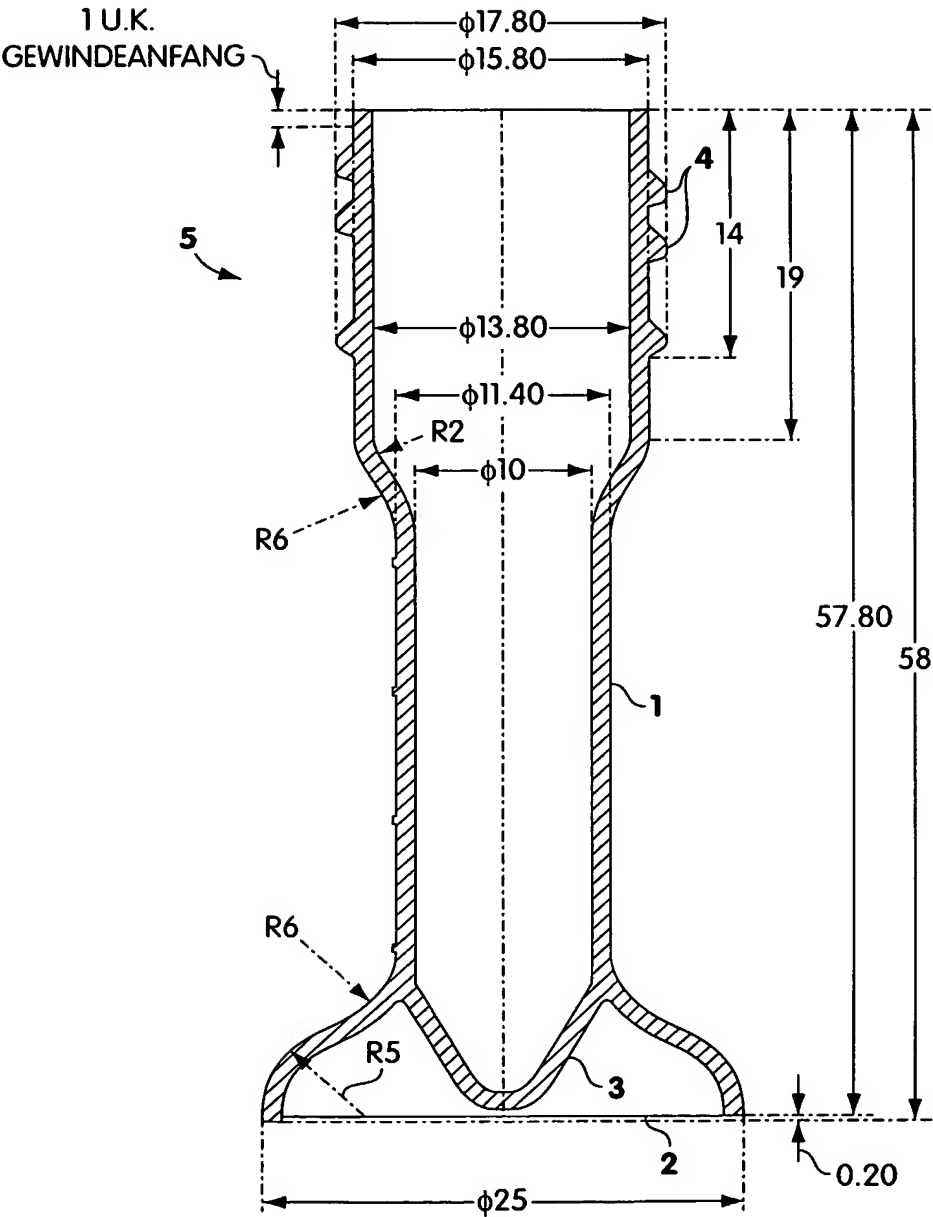


Fig. 6A

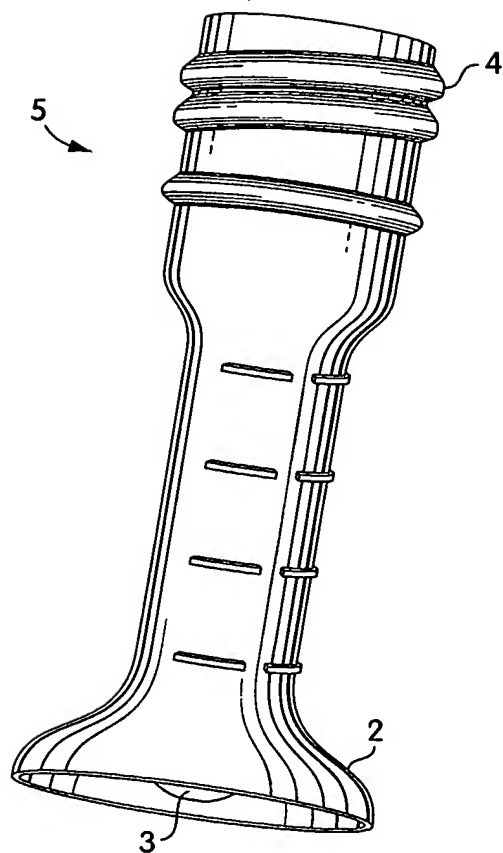


Fig. 6B



COMPARISON OF STORAGE AT -160°C VERSUS -80°C DURING 1 WEEK  
10% GLYCEROL - KERATINOCYTE:FIBROBLAST RATIO (1:1), 10 MILLION CELLS/ml,  
1 SPRAY (130 ul), 24 WELL

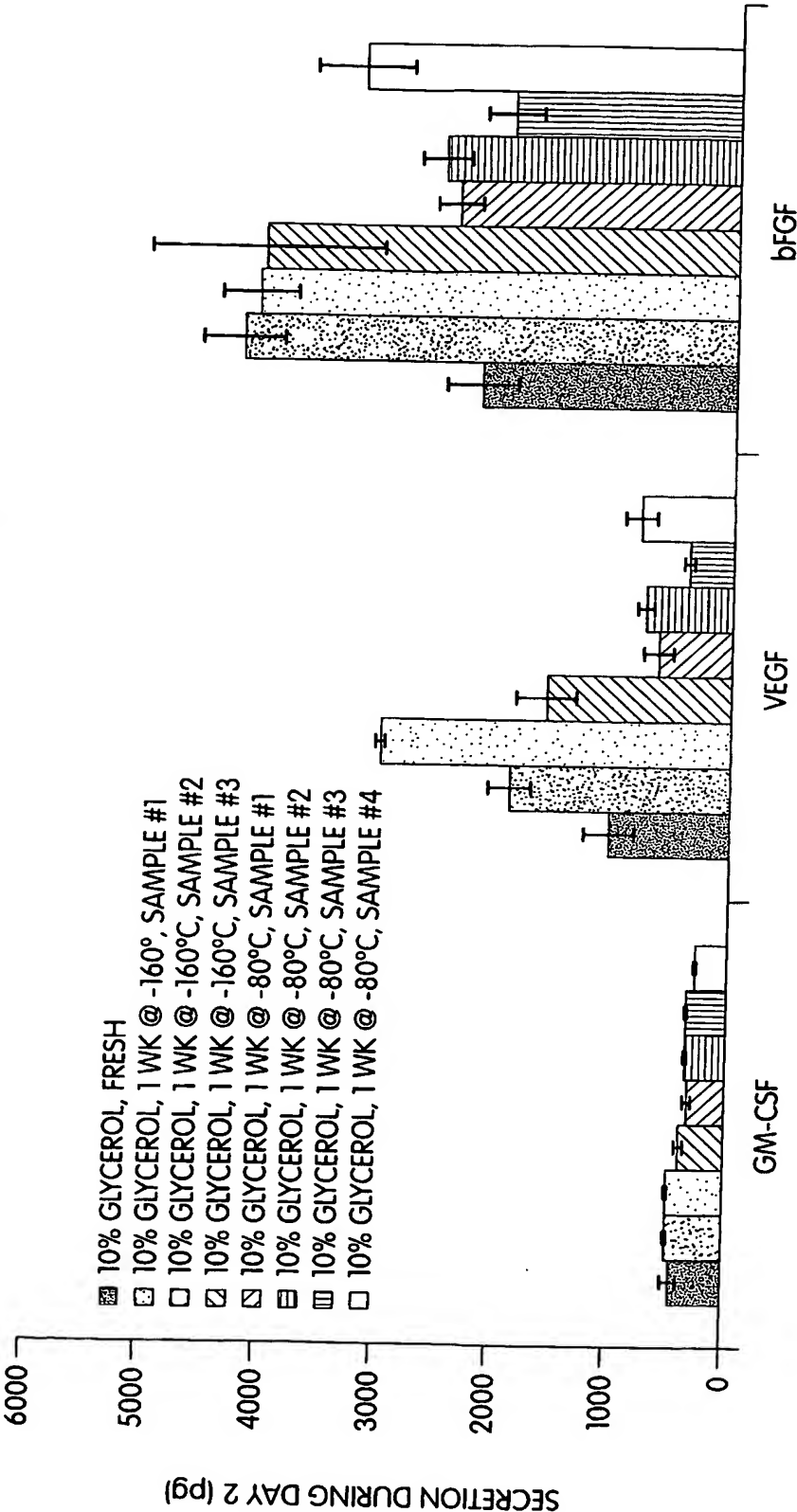


Fig. 7

COMPARISON OF SECRETION AFTER 1 WEEK STORAGE AT -80°C  
10% GLYCEROL VERSUS 15% GLYCEROL; 10 MILLION CELLS/ml  
KERATINOCYTE:FIBROBLAST RATIO (1:1), 1 SPRAY (130 ul)

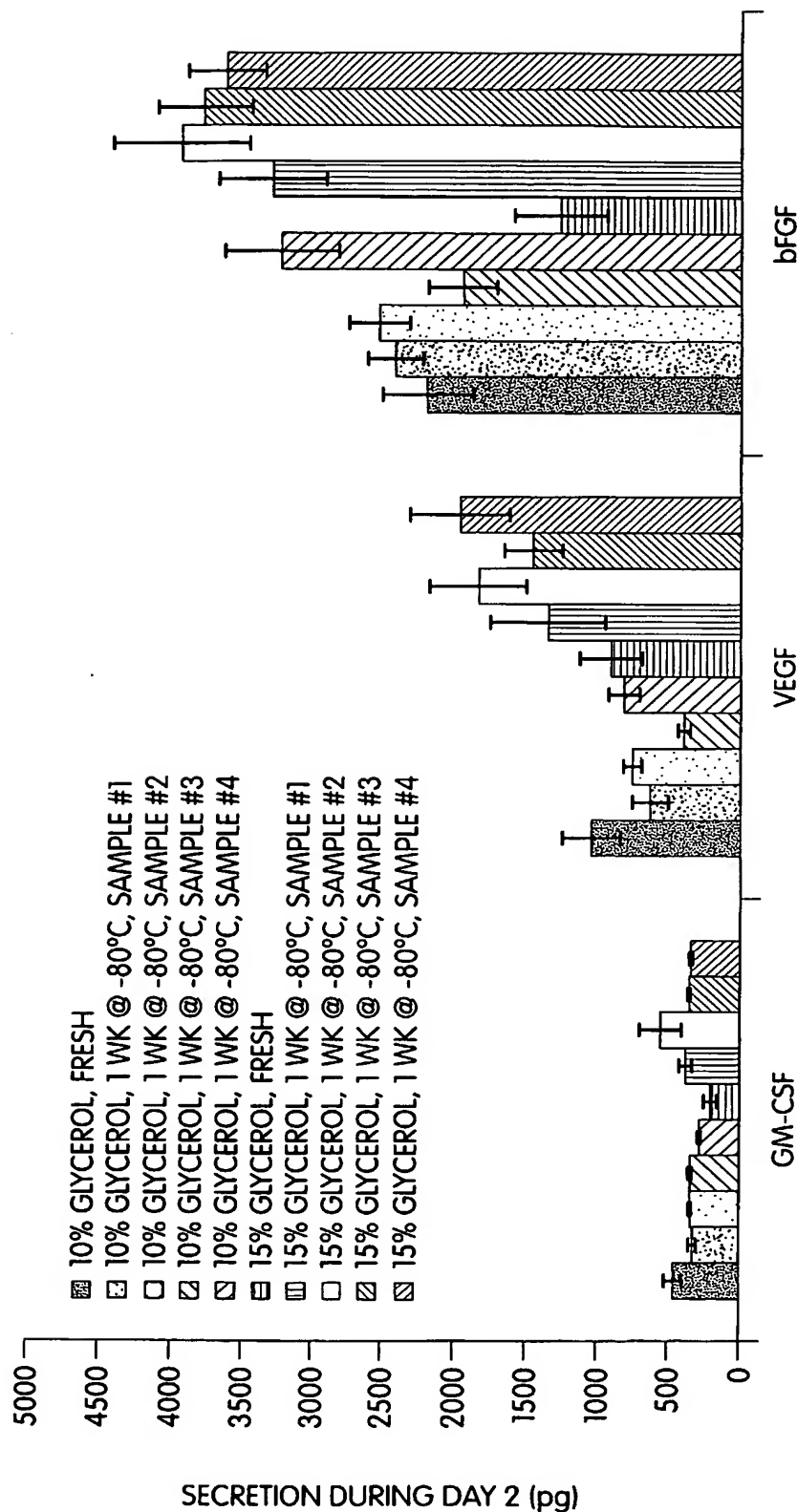


Fig. 8

CRYOPRESERVATION AND 1 WEEK STORAGE OF CELL PREPARATIONS AT -80°C  
15% GLYCEROL VS. 15% GLYCEROL + 5% HSA (GRIFFOLS)  
10 MILLION CELLS/ml, RATIO K:F (1:3), 130 ul, 1 SPRAY

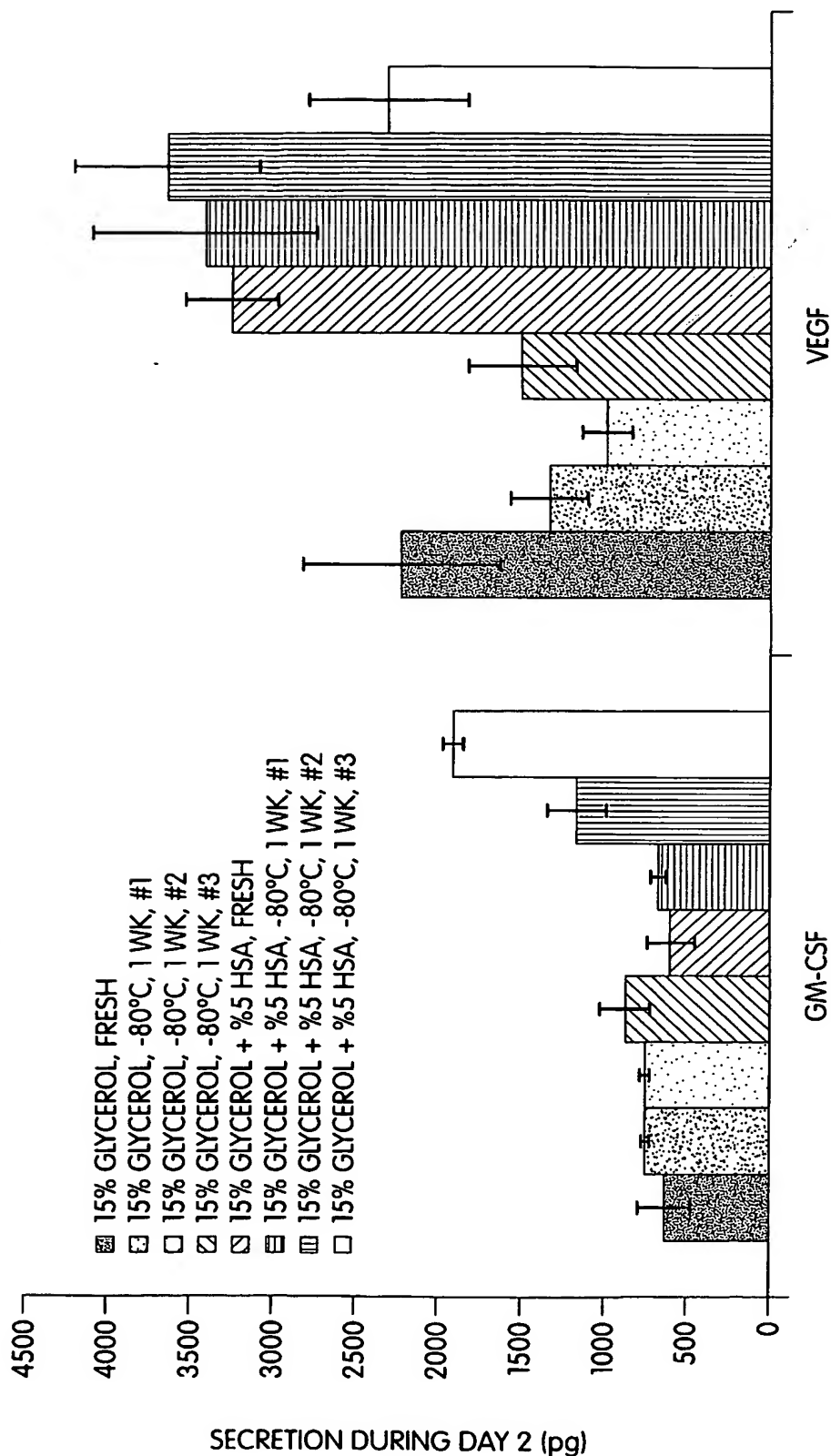


Fig. 9

EFFECT OF LONG-TERM STORAGE AT -80°C ON  
GROWTH FACTOR SECRETION FROM KERATINOCYTES  
AND FIBROBLASTS IN A FIBRIN MATRIX

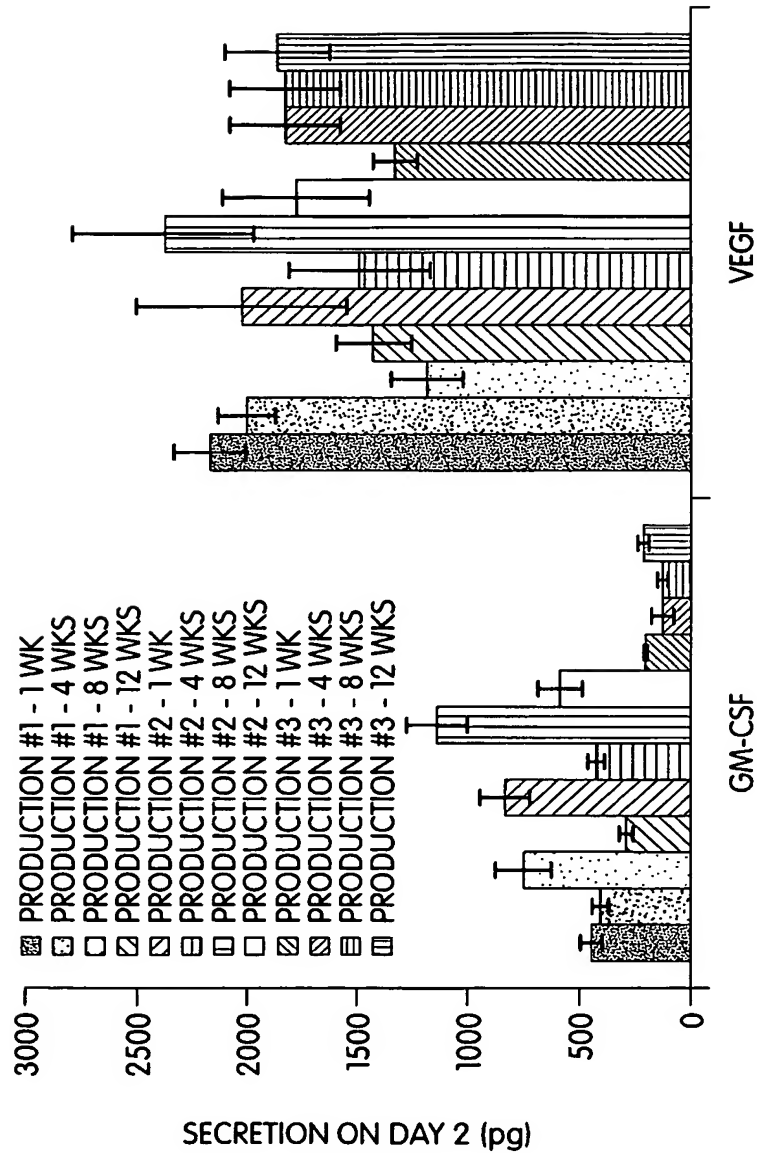


Fig. 10

SECRETION BY THAWED CELL PREPARATIONS THAT WERE FROZEN AND STORED  
FOR 1 WEEK AT -80°C; RATIOS OF KERATINOCYTES:FIBROBLASTS (1:0, 1:1, AND 1:9)  
AT 5, 10 AND 20 MILLION CELLS/ml, 1 SPRAY (130 ul), 24 WELLS (n=15)

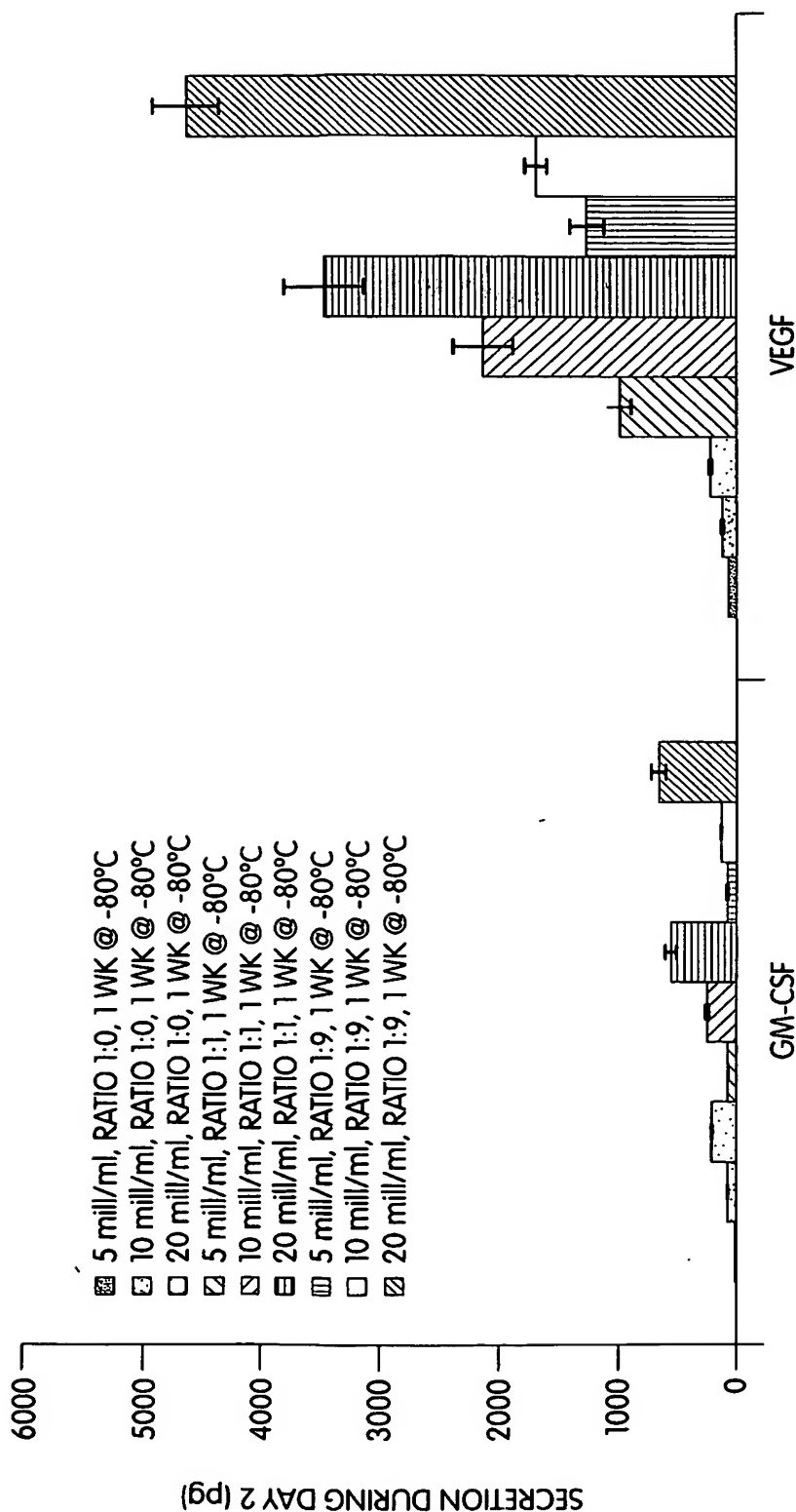


Fig. 11